

# Instrumentation Fire Resistant 300V 1x2x18 AWG Unshielded HFFR Cable

## BC/CL1/MT/HFFR/U/FR-LSZH/300V/80C

### POWER & CONTROL

#### P/N 8CU0601107

#### INDUSTRY

### Applications

Control, Process control industry, Fire alarm, Indoor, Outdoor, Class 1 Division 2



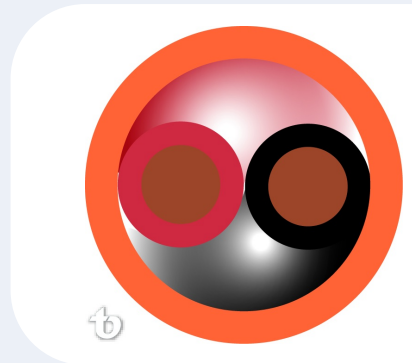
Outer Jacket Material  
FR-LSZH



Outer diameter  
7 mm nom.



Weight  
60 kg/km



### General Construction

1 twisted pair is jacketed.

This is a Fire Resistant cable designed to maintain circuit integrity under fire.

### Design & Materials

|                                 |                            |
|---------------------------------|----------------------------|
| Conductor Material              | Annealed Bare Copper       |
| Conductor Size (AWG)            | 18                         |
| Conductor Size (mm)             | 1.04                       |
| Conductor Construction          | Solid                      |
| Insulation Material             | HFFR + Fire Resistant Tape |
| Insulation O.D. (mm nom)        | 2.4                        |
| Conductor Color Code            | Black x Red                |
| Total Number Of Conductors      | 2                          |
| Total Number Of Conductor Units | 1                          |
| Outer Jacket Thickness (mm nom) | 1.1                        |
| Outer Jacket Color              | Orange                     |
| Marking                         | Per request                |

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INDUSTRY

Performance

|  |      |
|--|------|
| Max. DC Resistance ( $\Omega/\text{km}@20^{\circ}\text{C}$ ) | 23.1 |
| Dielectric Strength to Shield (V/minute)                     | 2000 |
| Voltage Rating (V)   | 300  |
| Min. Bend Radius (mm)  | Dx6  |
| Min. Operating Temperature ( $^{\circ}\text{C}$ )            | -40  |
| Max. Operating Temperature ( $^{\circ}\text{C}$ )            | +80  |
| UV Resistance  | Yes  |
| Fire Resistance  | Yes  |

Standards

Flammability Rating  
IEC 60331  
IEC 60331 FE 180  
IEC 60332-1  
IEC 60754-2  
IEC 61034-1/2  
UL 1581 VW-1

Applicable Standards  
RoHS 3 2015/863/EU



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